



Measuring amplifier LP26 II

Compact *two-channel*- instrument amplifier for one- and two sided measurements of web tensions in running webs.
For eg. for paper-, plastic-, foil-, metal- webs and torque measurements.

The channels A and B can be directed individually and as group signal A+B, connector for SG- Sensors in half- or full bridge circuits.
The range of adjustable amplification is from 100 to 10000.

Available output signals are next to the bridge signal also the absolute value as well as the positive bridge signal.



Assembly :

Mounting on DIN- bar. Dimensions HxWxD = 108 x 22,5 x 115 (mm)

Signal inputs :

SG- Sensors in Half- or Full bridge circuits.

Outputs :

- Bridge signal
- Magnitude bridge signal/ Measurement equipment output, additional stabilization
- Positive bridge signal

Configuration switches :

- S1: Channel A
- S2: Channel B
- S3: Sum signal channel A+B
- S4: measurement display output attenuation On/Off

Technical data :

Measuring bridge resistor	120...800 Ω
Bridge supply voltage	5VDC
Temperature impact onto the bridge supply	< 0,005 % / K
Sensitivity	1mV... 0,1V adjustable
Adjustable amplification	100...10.000
Input filter	
Input resistor	> 1 M Ω
Zero drift (at V=1000)	< 1,8 mV/K
Total drift (at V=1000)	< 2 mV/K
Linearity error	< 0,1 %
Measurement frequency range	0...20Hz
Voltage output 0...10VDC	load Resistor > 1 k Ω
Zero suppression	15 mV
Power connection	24 VDC
Power Consumption	max. 4,5 VA
Degree of protection	IP20
Model	compact case HxWxD= 108x22,5x115 (mm)
Connection via socket	4 polarized separable plug-in terminals